

CLAIMS

What is claimed is:

1. An apparatus and method for rapid removal of fluids contained within reservoirs in automotive or similar transportation vehicles comprising:
 - a) flexible hose and means of attachment of the distal end of said hose to the vehicle's dipstick tube or similar access point to the fluid reservoirs within the vehicle and
 - b) flexible hose with flow directional valve at proximal end with coupling suitable for attachment to the fill port of the storage canister and
 - c) storage canister suitable to hold fluids of various viscosities' and corrosive characteristics such as oils, lubricants, cleaning agents, and coolants used within the vehicle.
2. The storage container as claimed in claim 1 having a volume usable for storage of more than one vehicle oil change further comprising:
 - a) fluid pump powered by electric motor and
 - b) retractable power cord.
3. The apparatus of claim 1 wherein said container includes a screen filter and magnetic separator to capture metallic debris and solid contaminants
4. The apparatus of claim 1 wherein said container includes inlet and outlet ports with integral seal and quick release hose attachment with spill proof check valve.
5. The apparatus of claim 1 wherein said container is provided with wheel to enable ease of positioning and movement.

6. The apparatus of claim 5 wherein said positioning wheel is comprised in the preferred embodiment of a captured ball that facilitates steering through 360 degrees of directional change.

7. The apparatus of claim 3 where said outlet and inlet ports include an integral molded in place seal similar to an o-ring and contain a molded in place flow control valve comprised in the preferred embodiment of a reed / slit valve.

8. The apparatus of claim 1 wherein said container is fabricated as a one piece molding made from a plastic such as polypropylene or as a weldment assembly of metallic components made from corrosion resistant metals such as 316L Stainless Steel or Titanium.

9. The apparatus of claim 1 wherein said container is provided with the means of determining fluid level by employing transparent plastics, or incorporation of a fluid level gauge.

10. The apparatus of claim 9 wherein said fluid level gauge is comprised in the preferred embodiment of a graduated flexible clear tube.

11. The apparatus of claim 1 wherein said container is provided with a handle that enables lifting the device, as well as transporting the device by tilting the device to an angle upon which the transport wheels are engaged to freely rotate.

12. The apparatus of claim 1 wherein said container is provided with a self-retracting power cord.

13. The apparatus of claim 12 wherein said power cord is comprised within the preferred embodiment of a flexible cable enclosing electrical conductors incorporating a constant force spring spool enabling ease of extraction and retraction.

14. The apparatus of claim 1 wherein said fluid pump is comprised within the preferred embodiment as a positive displacement vane pump with reversible electric motor thus enabling pressure filling and pressure discharge of the fluids within the container.

15. The apparatus within claim 1 wherein the method for rapid removal of fluids from a vehicle is comprised:

- a) placement of the apparatus within a proximal distance of the vehicle and,
- b) connection of the fill flexible hose to the inlet port of the container and,
- c) connection of the power cord to an active electrical outlet.